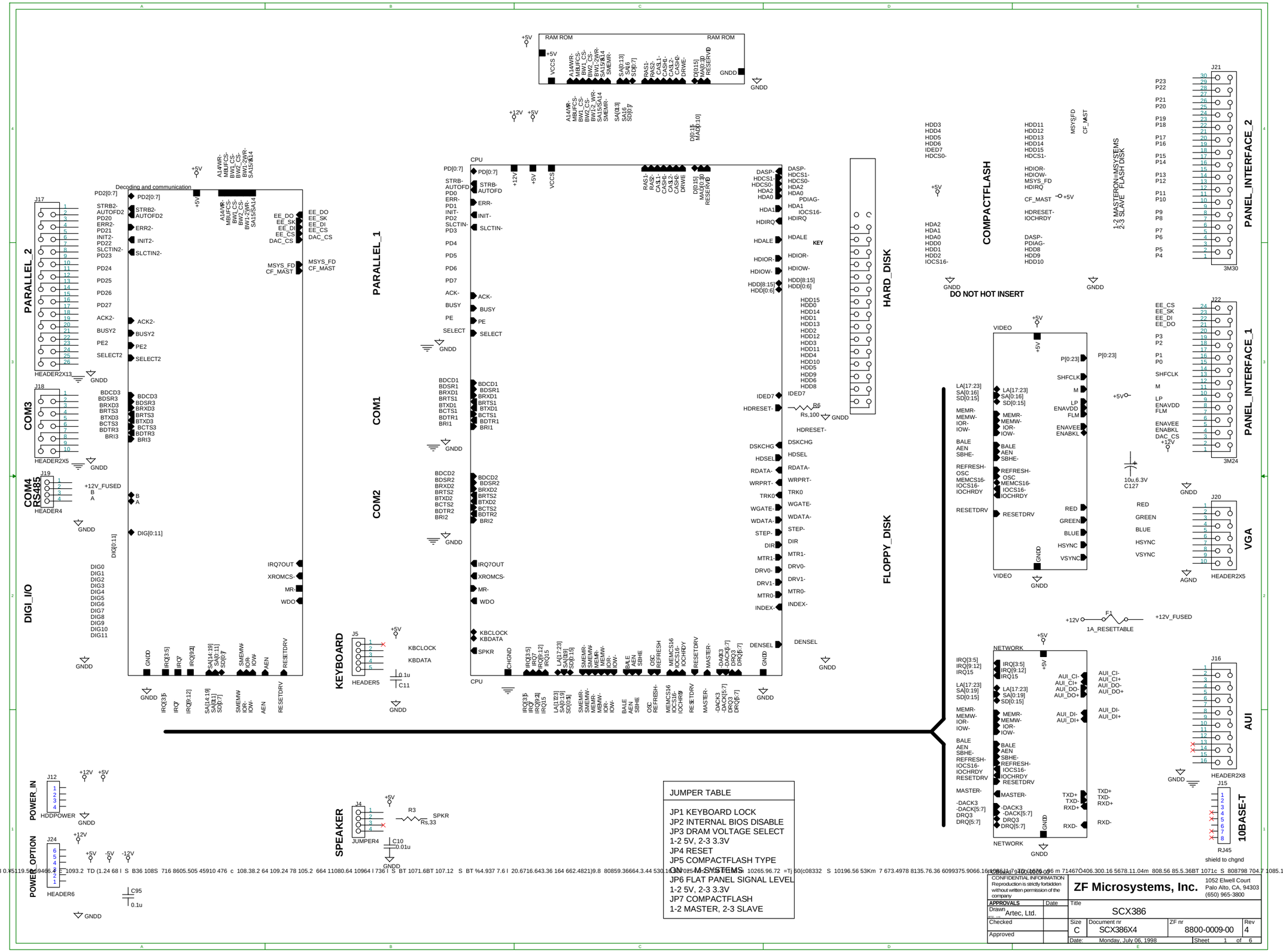
RAM ROM
CPU
Decoding and communication
PARALLEL_2
COM3
COM4
RS485
DIGI_I/O
PARALLEL_1
COM1
COM2
KEYBOARD
SPEAKER
POWER_IN
POWER OPTION
HARD_DISK
FLOPPY_DISK
COMPACTFLASH
DO NOT HOT INSERT
1-2 MASTER=MSYSTEMS
2-3 SLAVE=FLASH DISK
PANEL_INTERFACE_2
PANEL_INTERFACE_1
VIDEO
VGA
AUI
10BASE-T
shield to chgnd
JUMPER TABLE
JP1 KEYBOARD LOCK
JP2 INTERNAL BIOS DISABLE
JP3 DRAM VOLTAGE SELECT
1-2 5V, 2-3 3.3V
JP4 RESET
JP5 COMPACTFLASH TYPE
ON=M-SYSTEMS
JP6 FLAT PANEL SIGNAL LEVEL
1-2 5V, 2-3 3.3V
JP7 COMPACTFLASH
1-2 MASTER, 2-3 SLAVE
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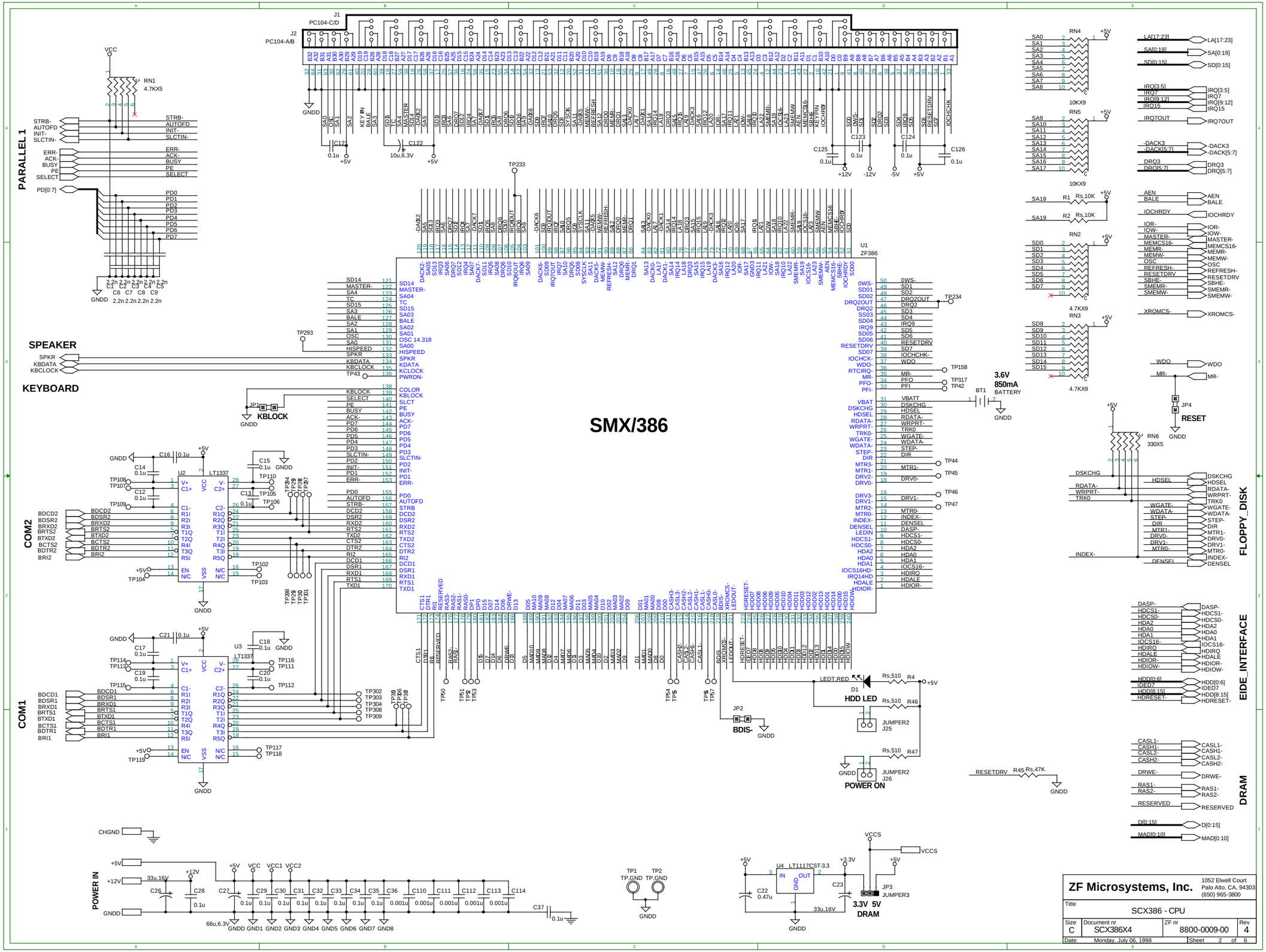
APPROVALS
Date
Drawn
Artec, Ltd.
Checked
Approved
Title
SCX386
Size
C
Document nr
SCX386X4
ZF nr
8800-0009-00
Rev
4
Date: Monday, July 06, 1998
Sheet 1 of 6


SMX/386
U1
ZF386
J1
PC104-C/D
J2
PC104-A/B
PARALLEL 1
SPEAKER
KEYBOARD
KBLOCK
COM2
COM1
U2
LT1337
U3
LT1337
U4
LT1117CST-3.3
3.6V
850mA
BATTERY
BT1
HDD LED
POWER ON
BDIS-
RESET
FLOPPY_DISK
EIDE_INTERFACE
DRAM
POWER IN
3.3V 5V
DRAM
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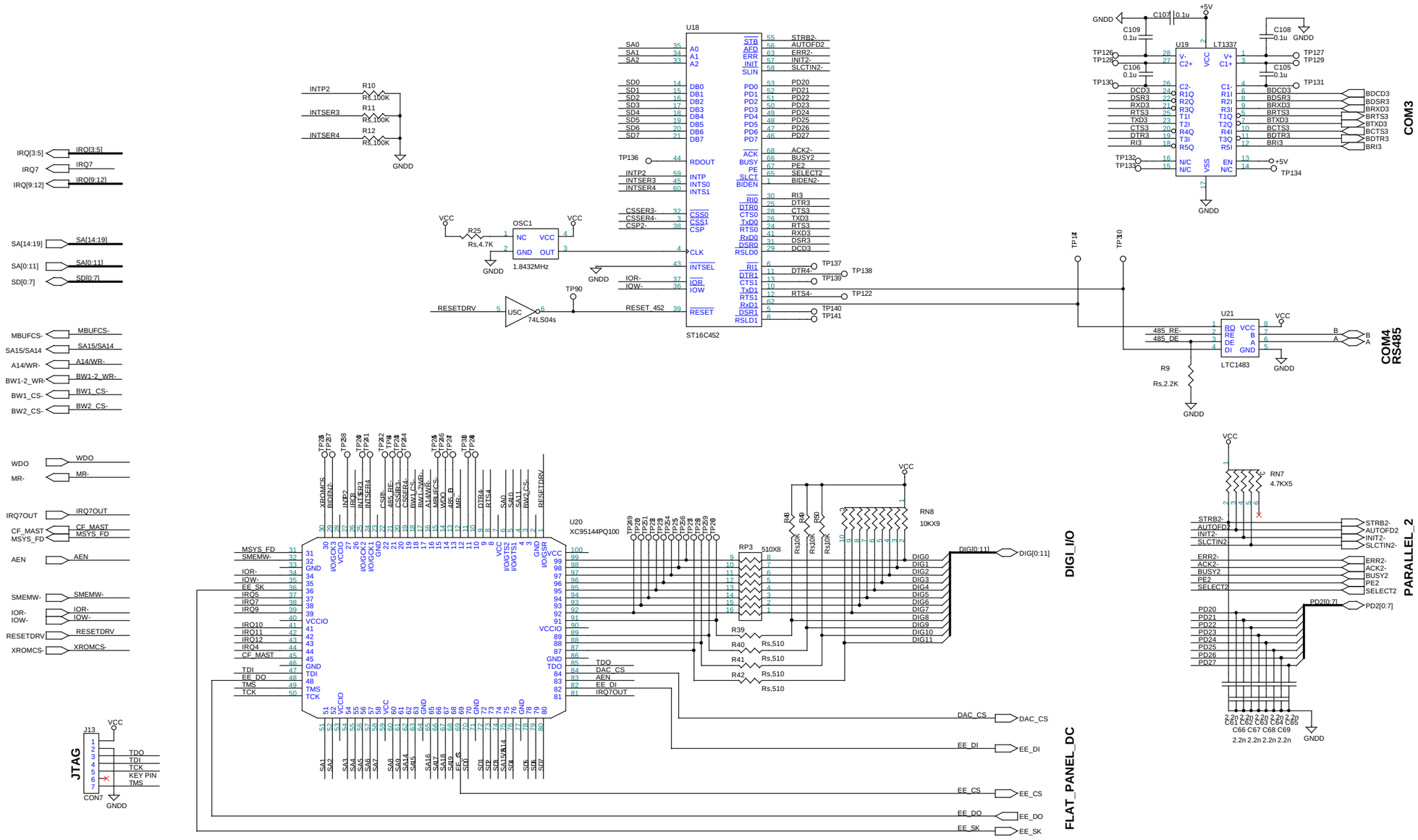
Title
SCX386 - CPU
Size C
Document nr SCX386X4
ZF nr 8800-0009-00
Rev 4
Date: Monday, July 06, 1998
Sheet 2 of 6

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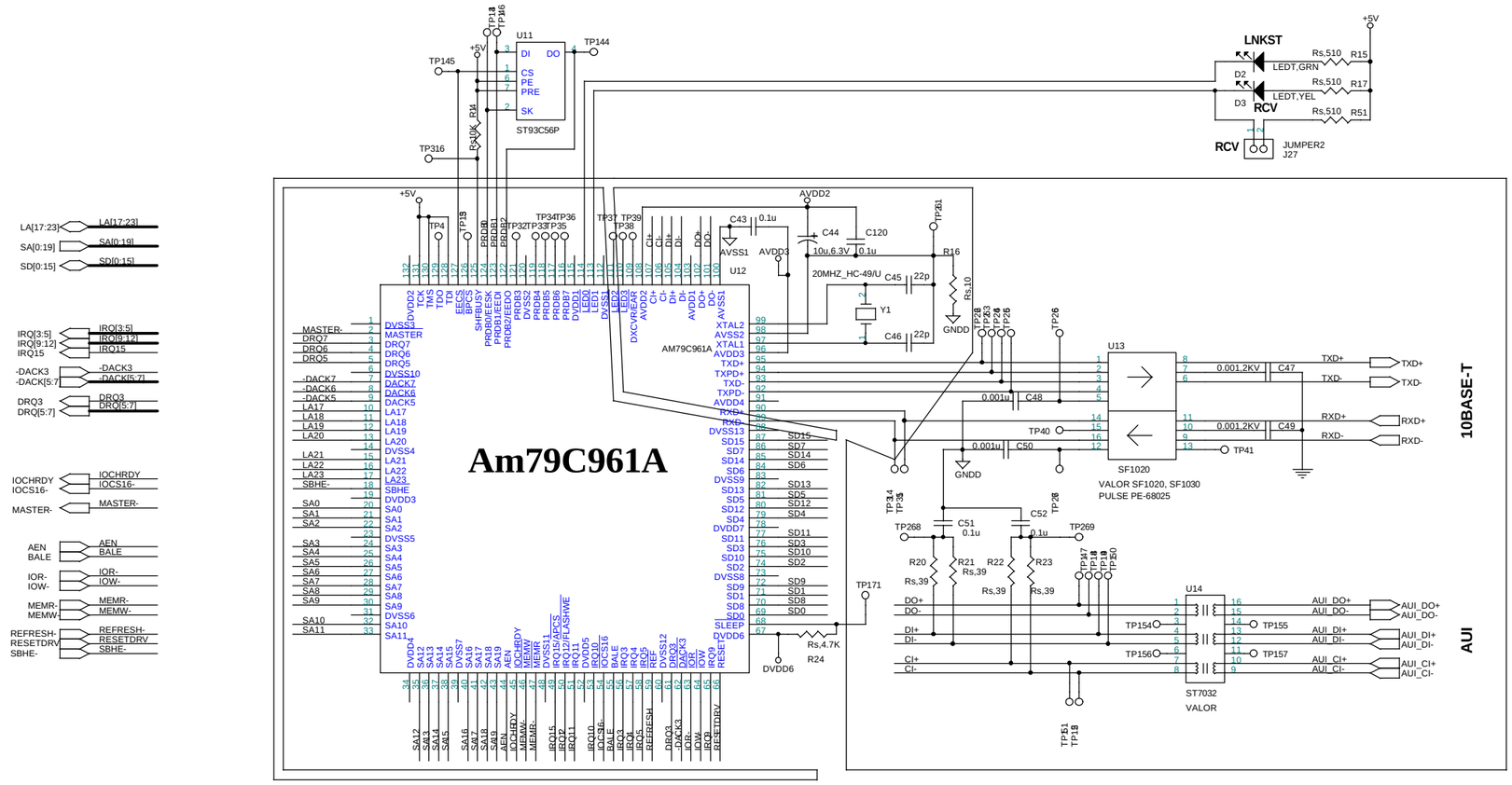
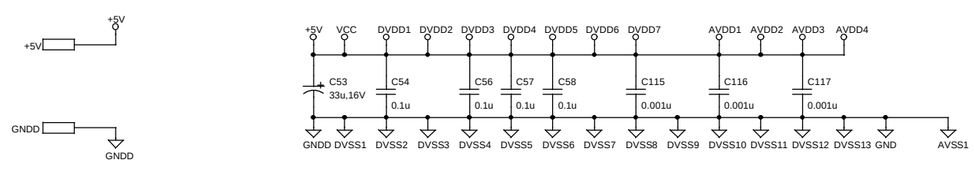
| Title | SCX386 - DECODING AND COMMUNICATION |
| Size C | Document nr SCX386X4 |
| ZF nr | 8800-0009-00 |
| Rev | 4 |
| Date: Monday, July 06, 1998 | Sheet 3 of 6 |

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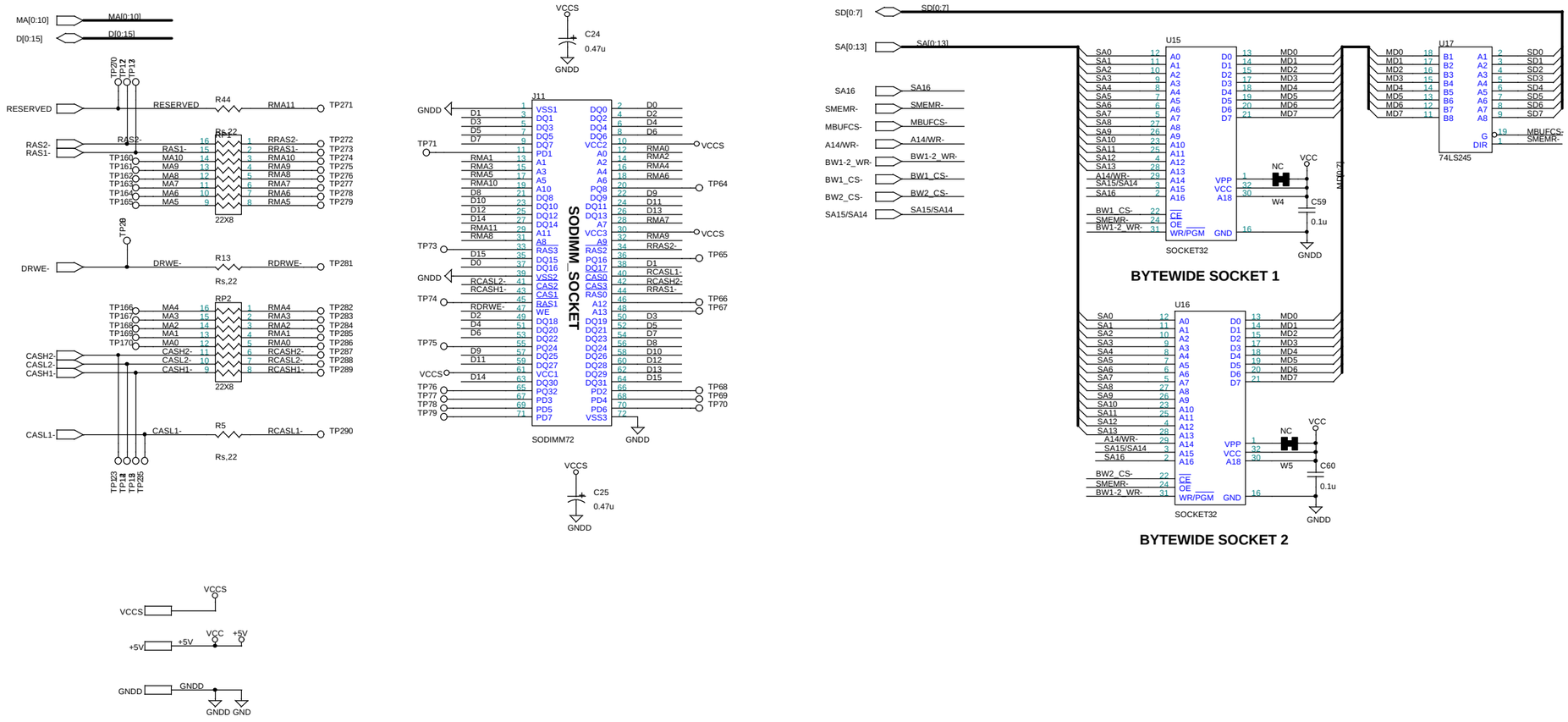
| Title: SCX386 - NETWORK | | | |
| Size: C | Document nr: SCX386X4 | ZF nr: 8800-0009-00 | Rev: 4 |
| Date: Monday, July 06, 1998 | | Sheet 4 of 6 | |

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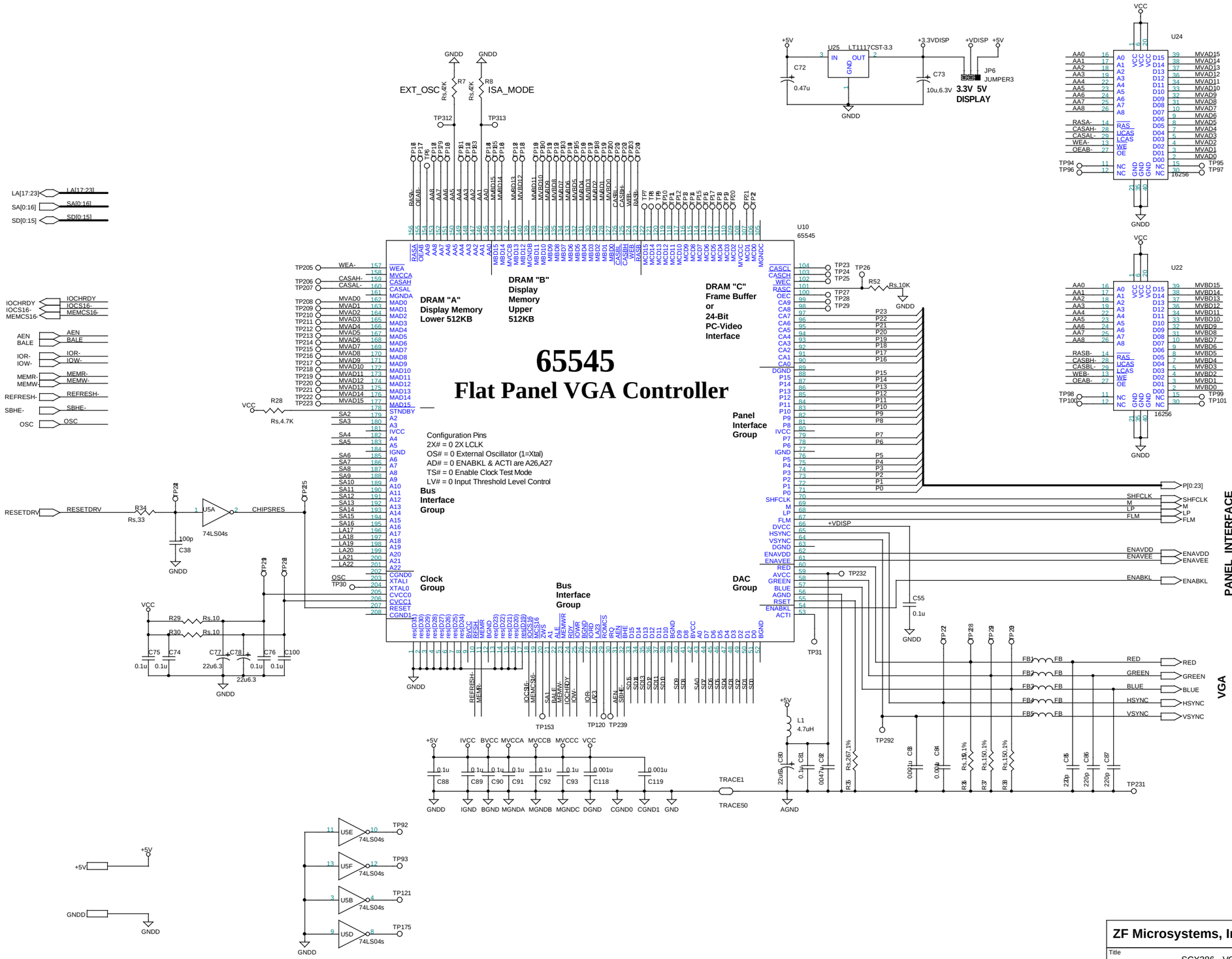
| SCX386 - RAM AND ROM | | | |
| Size C | Document nr SCX386X4 | ZF nr 8800-0009-00 | Rev 4 |
| Date: Monday, July 06, 1998 | | Sheet 5 of 6 | |


65545
Flat Panel VGA Controller
DRAM "A" Display Memory Lower 512KB
DRAM "B" Display Memory Upper 512KB
DRAM "C" Frame Buffer or 24-Bit PC-Video Interface
Panel Interface Group
Bus Interface Group
Clock Group
DAC Group
Configuration Pins
2X# = 0 2X LCLK
OS# = 0 External Oscillator (1=Xtal)
AD# = 0 ENABKL & ACTI are A26,A27
TS# = 0 Enable Clock Test Mode
LV# = 0 Input Threshold Level Control
EXT_OSC
ISA_MODE
3.3V 5V DISPLAY
PANEL_INTERFACE
VGA
U10
65545
U24
U22
U25 LT1117CST-3.3
JP6 JUMPER3
U5A 74LS04s
U5E 74LS04s
U5F 74LS04s
U5B 74LS04s
U5D 74LS04s
TRACE1
TRACE50
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Title
SCX386 - VGA
Size C
Document nr SCX386X4
ZF nr 8800-0009-00
Rev 4
Date: Monday, July 06, 1998
Sheet 6 of 6